

LISTING OF CLAIMS

- 1 1. (Previously Presented) A method comprising:
2 modifying an original header associated with an original data packet wherein key
3 information is added;
4 encrypting original data associated with the original data packet in response to the
5 key information; and
6 forming an encrypted data packet including the modified header and the
7 encrypted data,
8 wherein the modified header is a same size as the original header.
- 1 2. (Previously Presented) The method according to claim 1 further
2 comprising receiving a unique key identifier associated with the encrypted data packet.
- 1 3. (Previously Presented) The method according to claim 2 wherein the
2 modifying further comprises modifying the original header in response to the unique key
3 identifier.
- 1 4. (Original) The method according to claim 1 wherein the modifying
2 further comprises replacing the fragmentation identification and fragment offset of the
3 original header with a mixing key and an offset.
- 1 5. (Original) The method according to claim 1 wherein the original data
2 packet and the encrypted data packet utilize Internet Protocol version 4.

6. (Previously Presented) A system comprising:
means for modifying an original header associated with an original data packet wherein key information is added;
means for encrypting original data associated with the original data packet in response to the key information; and
means for forming an encrypted data packet including the modified header and the encrypted data, wherein the modified header is a same size as the original header.

7-9 (Canceled).